

System and Method for Network Connection Detection

Abstract of the Disclosure

5 The present invention provides a system and method that operates in
the link layer and detects connection status in a LAN. The system includes a
request frame whose source address is an address of a node transmitting the
request frame, a reply frame whose destination address is the source address
of the request frame, and a first node and a second node within the LAN for
10 processing the request/reply frame. The method includes the first node
transmitting a request frame into the LAN, the second node transmitting a
reply frame to the first node if receiving the request frame, and the first node
checking whether a destination address of the reply frame comprises an
address of the first node when receiving the reply frame. If so, the
15 connection between the first and second nodes is in a normal state.